

22. An isolated polynucleotide comprising at least 35 contiguous nucleotides of a nucleotide sequence selected from the group consisting of: SEQ ID NO:65, a degenerate variant of SEQ ID NO:65, and a complement of SEQ ID NO:65.

24. An isolated antisense nucleic acid molecule comprising at least 35 contiguous nucleotides of the polynucleotide of claim 22.

25. A polynucleotide comprising the nucleotide sequence of an insert contained in a clone deposited as clone number M00001679D:D05 of ATCC Deposit Number 207068.

26. An isolated recombinant host cell containing the polynucleotide of claim 22.

27. An isolated vector comprising the polynucleotide of claim 22.

28. An isolated polypeptide encoded by the polynucleotide of claim 22.

29. A method for producing a polypeptide, the method comprising the steps of:  
culturing a recombinant host cell containing the polynucleotide of claim 22 under conditions suitable for the expression of an encoded polypeptide;  
recovering the polypeptide from the host cell culture.

30. A method for detecting a gene product, wherein the gene product exhibits increased expression in a cancerous mammalian cell relative to a control cell, the method comprising the step of  
detecting a level of gene product expression in a test sample from a test mammalian cell, wherein the gene product is encoded by a polynucleotide comprising a sequence of the polynucleotide of claim 22; and  
comparing the gene product expression level with an expression level of the gene product in a control sample from a control mammalian cell;  
wherein detection of the gene product at a level that is increased in the test sample compared to the control sample cell indicates that the test cell is cancerous.

31. An isolated polynucleotide comprising at least 50 contiguous nucleotides of a nucleotide sequence selected from the group consisting of: SEQ ID NO:253, a degenerate variant of SEQ ID NO:253, and a complement of SEQ ID NO:253.

33. An isolated antisense nucleic acid molecule comprising at least 50 contiguous nucleotides of the polynucleotide of claim 31.

34. A polynucleotide comprising the nucleotide sequence of an insert contained in a clone deposited as clone number M00001448D:C09 of ATCC Deposit Number 207068.

35. An isolated recombinant host cell containing the polynucleotide of claim 31.

36. An isolated vector comprising the polynucleotide of claim 31.

37. An isolated polypeptide encoded by the polynucleotide of claim 31.

38. A method for producing a polypeptide, the method comprising the steps of:  
culturing a recombinant host cell containing the polynucleotide of claim 31 under conditions suitable for the expression of an encoded polypeptide;  
recovering the polypeptide from the host cell culture.

39. A method for detecting a gene product, wherein the gene product exhibits increased expression in a cancerous mammalian cell relative to a control cell, the method comprising the step of  
detecting a level of gene product expression in a test sample from a test mammalian cell, wherein the gene product is encoded by a polynucleotide comprising a sequence of the polynucleotide of claim 31; and

comparing the gene product expression level with an expression level of the gene product in a control sample from a control mammalian cell;

wherein detection of the gene product at a level that is increased in the test sample compared to the control sample cell indicates that the test cell is cancerous.

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49. (Twice Amended) An isolated polynucleotide comprising at least 100 contiguous nucleotides of a nucleotide sequence selected from the group consisting of: SEQ ID NO:739, a degenerate variant of SEQ ID NO:739, and a complement of SEQ ID NO:739.

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51. (Twice Amended) An isolated antisense nucleic acid molecule comprising at least 100 contiguous nucleotides of the polynucleotide of claim 49.

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52. A polynucleotide comprising the nucleotide sequence of an insert contained in a clone deposited as clone number M00001460C:H02 of ATCC Deposit Number 207075.

53. An isolated recombinant host cell containing the polynucleotide of claim 49.

54. An isolated vector comprising the polynucleotide of claim 49.

55. An isolated polypeptide encoded by the polynucleotide of claim 49.

56. A method for producing a polypeptide, the method comprising the steps of:  
culturing a recombinant host cell containing the polynucleotide of claim 49 under conditions suitable for the expression of an encoded polypeptide;  
recovering the polypeptide from the host cell culture.

57. A method for detecting a gene product, wherein the gene product exhibits increased expression in a cancerous mammalian cell relative to a control cell, the method comprising the step of  
detecting a level of gene product expression in a test sample from a test mammalian cell, wherein the gene product is encoded by a polynucleotide comprising a sequence of the polynucleotide of claim 49; and

comparing the gene product expression level with an expression level of the gene product in a control sample from a control mammalian cell;

wherein detection of the gene product at a level that is increased in the test sample compared to the control sample cell indicates that the test cell is cancerous.

58. (Twice Amended) An isolated polynucleotide comprising a nucleotide sequence selected from the group consisting of: SEQ ID NO:1186, a degenerate variant of SEQ ID NO:1186, and a complement of SEQ ID NO:1186.

60. (Twice Amended) An isolated antisense nucleic acid molecule comprising the polynucleotide of claim 58.

61. A polynucleotide comprising the nucleotide sequence of an insert contained in a clone deposited as clone number M00001578C:G06 of ATCC Deposit Number 207065.

62. An isolated recombinant host cell containing the polynucleotide of claim 58.

63. An isolated vector comprising the polynucleotide of claim 58.

64. An isolated polypeptide encoded by the polynucleotide of claim 58.

65. A method for producing a polypeptide, the method comprising the steps of:  
culturing a recombinant host cell containing the polynucleotide of claim 58 under conditions suitable for the expression of an encoded polypeptide;  
recovering the polypeptide from the host cell culture.

66. A method for detecting a gene product, wherein the gene product exhibits increased expression in a cancerous mammalian cell relative to a control cell, the method comprising the step of  
detecting a level of gene product expression in a test sample from a test mammalian cell, wherein the gene product is encoded by a polynucleotide comprising a sequence of the polynucleotide of claim 58; and

comparing the gene product expression level with an expression level of the gene product in a control sample from a control mammalian cell;

wherein detection of the gene product at a level that is increased in the test sample compared to the control sample cell indicates that the test cell is cancerous.

67. (Twice Amended) An isolated polynucleotide comprising at least 35 contiguous nucleotides of a nucleotide sequence selected from the group consisting of: SEQ ID NO:1780, a degenerate variant of SEQ ID NO:1780, and a complement of SEQ ID NO:1780.

69. (Twice Amended) An isolated antisense nucleic acid molecule comprising at least 35 contiguous nucleotides of the polynucleotide of claim 67.

70. A polynucleotide comprising the nucleotide sequence of an insert contained in a clone deposited as clone number M00001450A:B03 of ATCC Deposit Number 207071.

71. An isolated recombinant host cell containing the polynucleotide of claim 67.

72. An isolated vector comprising the polynucleotide of claim 67.

73. An isolated polypeptide encoded by the polynucleotide of claim 67.

74. A method for producing a polypeptide, the method comprising the steps of:  
culturing a recombinant host cell containing the polynucleotide of claim 67 under conditions suitable for the expression of an encoded polypeptide;  
recovering the polypeptide from the host cell culture.

75. A method for detecting a gene product, wherein the gene product exhibits increased expression in a cancerous mammalian cell relative to a control cell, the method comprising the step of detecting a level of gene product expression in a test sample from a test mammalian cell, wherein the gene product is encoded by a polynucleotide comprising a sequence of the polynucleotide of claim 67; and  
comparing the gene product expression level with an expression level of the gene product in a control sample from a control mammalian cell;  
wherein detection of the gene product at a level that is increased in the test sample compared to the control sample cell indicates that the test cell is cancerous.

76. An isolated polynucleotide comprising at least 100 contiguous nucleotides of a nucleotide sequence selected from the group consisting of: SEQ ID NO:1899, a degenerate variant of SEQ ID NO:1899, and a complement of SEQ ID NO:1899.

78. An isolated antisense nucleic acid molecule comprising at least 100 contiguous nucleotides of the polynucleotide of claim 76.

79. A polynucleotide comprising the nucleotide sequence of an insert contained in a clone deposited as clone number M00001451B:F01 of ATCC Deposit Number 207071.

80. An isolated recombinant host cell containing the polynucleotide of claim 76.

81. An isolated vector comprising the polynucleotide of claim 76.

82. An isolated polypeptide encoded by the polynucleotide of claim 76.

83. A method for producing a polypeptide, the method comprising the steps of:  
culturing a recombinant host cell containing the polynucleotide of claim 76 under conditions suitable for the expression of an encoded polypeptide;  
recovering the polypeptide from the host cell culture.

84. A method for detecting a gene product, wherein the gene product exhibits increased expression in a cancerous mammalian cell relative to a control cell, the method comprising the step of  
detecting a level of gene product expression in a test sample from a test mammalian cell, wherein the gene product is encoded by a polynucleotide comprising a sequence of the polynucleotide of claim 76; and  
comparing the gene product expression level with an expression level of the gene product in a control sample from a control mammalian cell;  
wherein detection of the gene product at a level that is increased in the test sample compared to the control sample cell indicates that the test cell is cancerous.

103. (Twice Amended) An isolated polynucleotide comprising at least 100 contiguous nucleotides of a nucleotide sequence selected from the group consisting of: SEQ ID NO:2007, a degenerate variant of SEQ ID NO:2007, and a complement of SEQ ID NO:2007.

105. (Twice Amended) An isolated antisense nucleic acid molecule comprising at least 100 contiguous nucleotides of the polynucleotide of claim 103.

106. A polynucleotide comprising the nucleotide sequence of an insert contained in a clone deposited as clone number M00001639A:C11 of ATCC Deposit Number 207065.

107. An isolated recombinant host cell containing the polynucleotide of claim 103.

108. An isolated vector comprising the polynucleotide of claim 103.

109. An isolated polypeptide encoded by the polynucleotide of claim 103.

110. A method for producing a polypeptide, the method comprising the steps of:  
culturing a recombinant host cell containing the polynucleotide of claim 103 under conditions suitable for the expression of an encoded polypeptide;  
recovering the polypeptide from the host cell culture.

111. A method for detecting a gene product, wherein the gene product exhibits increased expression in a cancerous mammalian cell relative to a control cell, the method comprising the step of  
detecting a level of gene product expression in a test sample from a test mammalian cell, wherein the gene product is encoded by a polynucleotide comprising a sequence of the polynucleotide of claim 103; and  
comparing the gene product expression level with an expression level of the gene product in a control sample from a control mammalian cell;  
wherein detection of the gene product at a level that is increased in the test sample compared to the control sample cell indicates that the test cell is cancerous.

112. An isolated polynucleotide according to claim 22, wherein the polynucleotide is a cDNA.

113. An isolated polynucleotide according to claim 31, wherein the polynucleotide is a cDNA.
115. An isolated polynucleotide according to claim 49, wherein the polynucleotide is a cDNA.
116. An isolated polynucleotide according to claim 58, wherein the polynucleotide is a cDNA.
117. An isolated polynucleotide according to claim 67, wherein the polynucleotide is a cDNA.
118. An isolated polynucleotide according to claim 76, wherein the polynucleotide is a cDNA.
121. An isolated polynucleotide according to claim 103, wherein the polynucleotide is a cDNA.
122. An isolated cDNA obtained by the process of amplification using a polynucleotide comprising at least 35 contiguous nucleotides of a nucleotide sequence of SEQ ID NO:65.
123. An isolated cDNA obtained by the process of amplification using a polynucleotide comprising at least 50 contiguous nucleotides of a nucleotide sequence of SEQ ID NO:253.
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125. (Amended) An isolated cDNA obtained by the process of amplification using a polynucleotide comprising at least 100 contiguous nucleotides of a nucleotide sequence of SEQ ID NO:739.
126. (Amended) An isolated cDNA obtained by the process of amplification using a polynucleotide comprising at least 200 contiguous nucleotides of a nucleotide sequence of SEQ ID NO: 1186.
127. (Amended) An isolated cDNA obtained by the process of amplification using a polynucleotide comprising at least 35 contiguous nucleotides of a nucleotide sequence of SEQ ID NO: 1780.
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128. An isolated cDNA obtained by the process of amplification using a polynucleotide comprising at least 100 contiguous nucleotides of a nucleotide sequence of SEQ ID NO: 1899.

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131. (Amended) An isolated cDNA obtained by the process of amplification using a polynucleotide comprising at least 100 contiguous nucleotides of a nucleotide sequence of SEQ ID NO: 2007.

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Please add the following new claims 132-145.

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132. (New) An isolated polynucleotide according to claim 112, wherein said cDNA comprises a sequence selected from the group consisting of: SEQ ID NO:65, a degenerate variant of SEQ ID NO: 65, and a complement of SEQ ID NO: 65.

133. (New) An isolated polynucleotide according to claim 112, wherein said cDNA is less than 2 kb in length.

134. (New) An isolated polynucleotide according to claim 113, wherein said cDNA comprises a sequence selected from the group consisting of: SEQ ID NO: 253, a degenerate variant of SEQ ID NO: 253, and a complement of SEQ ID NO: 253.

135. (New) An isolated polynucleotide according to claim 113, wherein said cDNA is less than 2 kb in length.

136. (New) An isolated polynucleotide according to claim 115, wherein said cDNA comprises a sequence selected from the group consisting of: SEQ ID NO: 739, a degenerate variant of SEQ ID NO: 739, and a complement of SEQ ID NO: 739.

137. (New) An isolated polynucleotide according to claim 115, wherein said cDNA is less than 2 kb in length.

138. (New) An isolated polynucleotide according to claim 116, wherein said cDNA comprises a sequence selected from the group consisting of: SEQ ID NO: 1186, a degenerate variant of SEQ ID NO: 1186, and a complement of SEQ ID NO: 1186.

139. (New) An isolated polynucleotide according to claim 116, wherein said cDNA is less than 2 kb in length.

140. (New) An isolated polynucleotide according to claim 117, wherein said cDNA comprises a sequence selected from the group consisting of: SEQ ID NO: 1780, a degenerate variant of SEQ ID NO: 1780, and a complement of SEQ ID NO: 1780.

141. (New) An isolated polynucleotide according to claim 117, wherein said cDNA is less than 2 kb in length.

142. (New) An isolated polynucleotide according to claim 118, wherein said cDNA comprises a sequence selected from the group consisting of: SEQ ID NO: 1899, a degenerate variant of SEQ ID NO: 1899, and a complement of SEQ ID NO: 1899.

143. (New) An isolated polynucleotide according to claim 118, wherein said cDNA is less than 2 kb in length.

144. (New) An isolated polynucleotide according to claim 121, wherein said cDNA comprises a sequence selected from the group consisting of: SEQ ID NO: 2007, a degenerate variant of SEQ ID NO: 2007, and a complement of SEQ ID NO: 2007.

145. (New) An isolated polynucleotide according to claim 121, wherein said cDNA is less than 2 kb in length.